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S E C R E T CITE NPIC 9027.

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF
AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-923, 7 NOV 66.

(TEXT WHICH FOLLOWED WAS IDENTICAL TO MISSION CITED ABOVE.)

S E C R E T

--END OF MESSAGE--

10 NOV 1966

S/C NOTE: ALSO PASSED

25X1

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-923, 7 NOV 66. THE NUMBER AT THE RIGHT MARGIN OF THE HEADER LINE IS THE COMOR TARGET NUMBER.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS-- C @CLEAR#, SC @SCATTERED CLOUD COVER#, HC @HEAVY CLOUD COVER#, H @HAZE#, CS @CLOUD SHADOW#, SD @SEMI DARKNESS#, GC @GROUND COVER#, CF @CAMOUFLAGE#, O @OBliquity#, AND GR @GROUND RESOLUTION#.

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G @GOOD#, F @FAIR#, OR P @POOR#. THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T @TOTAL# OR PT @PARTIAL#. THE MODE OF COVERAGE IS SIGNIFIED BY ST @STEREO#, NS @NONSTEREO#, OR PS @PARTIAL STEREO#. AAA DEFENSES ARE DIVIDED INTO THREE BASIC CATEGORIES -- LIGHT @ZPU-2, ZPU-4, AND 37MM#, MEDIUM @57MM AND 85MM#, AND HEAVY @100MM AND LARGER#. WHERE SUCH A CATEGORY CANNOT BE DETERMINED, THE SITE WILL BE LISTED AS AN AAA SITE AND THE NUMBER OF GUNS INDICATED @EXAMPLE 6-GUN AAA SITE, OCCUPIED/UNOCCUPIED#.

ITEMS OF SPECIAL INTEREST

A LIGHT LEAK OF UNDETERMINED ORIGIN DEGRADED APPROXIMATELY 25 PERCENT OF EACH FRAME. EACH 18 X 18 FORMAT CONTAINS CONCENTRIC CIRCLES ABOUT THE PRINCIPLE POINT OF THE FORMAT -- POSSIBLY CAUSED BY A REFLECTION FROM THE REAR ELEMENT OF THE LENS. THESE CIRCLES FURTHER REDUCE THE PHOTO INTERPRETATION.

MISSILES

HOLGUIN SAM SITE B27-2 CU 2052N 07627W
OB -- 6 EMPLACED LAUNCHERS @3 WITH MISSILES#, 9 MISSILE TRANSPORTERS, A FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, 7 OTHER VEHICLES, AND 2 OTHER VAN TRAILERS.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

HOLGUIN AIRFIELD SAM SITE CU 2046N 07619W
OB -- 6 EMPLACED LAUNCHERS @AT LEAST 2 WITH MISSILES#, 3 MISSILE TRANSPORTERS @1 WITH EXPOSED MISSILES#, A PROBABLE FAN SONG RADAR, AND 3 VAN TRUCKS.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

MALDONADO SAM SITE A18-2 CU 2012N 07528W
OB -- 6 EMPLACED LAUNCHERS @3 WITH MISSILES#, AT LEAST 4 MISSILE TRANSPORTERS WITH EXPOSED MISSILES#, A GUIDANCE RADAR WITH AT LEAST 4 ASSOCIATED VAN TRAILERS, AND 18 OTHER VEHICLES.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

SANTIAGO DE CUBA SAM SITE A23-2 CU 1959N 07550W
OB -- AT LEAST 5 EMPLACED LAUNCHERS @4 WITH MISSILES#, 10 MISSILE TRANSPORTERS @5 WITH EXPOSED MISSILES#, A GUIDANCE RADAR WITH SHED-COVERED ASSOCIATED EQUIPMENT, 1 CARGO TRUCK, AND 7 OTHER VEHICLES.
ACTIVITY -- 1 OCCURRED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

SANTIAGO DE CUBA SAM ASSEMBLY AREA CU 2004N 07553W
OB -- 11 MISSILE TRANSPORTERS @2 WITH EXPOSED MISSILES AND 3 CANVAS COVERED#, NUMEROUS MISSILE CANISTERS, 4 FLATBED TRACTOR-TRAILER TRUCKS, 7 CARGO TRUCKS, 3 VAN TRUCKS, 2 TRUCK-MOUNTED CRANES, 1 UTILITY TRUCK, AND 2 OTHER VEHICLES.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

SANTIAGO SAM TRAINING AREA CII 105AN 07551W
OB -- Approved For Release 2008/07/31 : CIA-RDP78B04558A001500010081-6
AND 3 PROBABLE GENERATORS.
NO APPARENT CHANGE IN FACILITIES.

25X1

PALMA SORIANO SAM SITE A02-2 CU 2015N 07559W
OB -- 6 EMPLACED LAUNCHERS #2 WITH MISSILES#, 6 MISSILE
TRANSPORTERS #5 WITH EXPOSED MISSILES#, A FAN SONG
RADAR WITH 6 ASSOCIATED VAN TRAILERS, A PROBABLE SPOON
REST RADAR WITH 2 ASSOCIATED VAN TRAILERS, 1 PROBABLE
TRACKED PRIME MOVER, 3 CARGO TRUCKS, AND 3 OTHER VAN
TRAILERS.
ACTIVITY -- 1 OCCUPIED 6-GUN LIGHT AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

CONSTANCIA SAM SITE A10-2 CU 2214N 08030W
SITE APPEARS OCCUPIED.
OBLIQUITY LIMITS INTERPRETATION.

25X1

LA VEGUITA SAM ASSEMBLY AREA CU 2049N 07615W
OB -- 16 VEHICLES/PIECES OF EQUIPMENT OBSERVED.
NO APPARENT CHANGE IN FACILITIES.

25X1

SAN PEDRO DE CACOCUM SAM SITE 1 CU 2047N 07615W
OB -- 6 EMPLACED LAUNCHERS #3 WITH MISSILES#, 10
MISSILE TRANSPORTERS #4 WITH EXPOSED MISSILES#, A FAN
SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, 3 OTHER VAN
TRAILERS, AND 3 OTHER VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

SAN PEDRO DE CACOCUM SAM SITE 2 CU 2045N 07615W
SITE APPEARS TO BE IN MID-TO-LATE STAGE OF
CONSTRUCTION. NO MISSILES OR MISSILE-RELATED EQUIPMENT
OBSERVED.

NO APPARENT CHANGE IN SUPPORT FACILITIES.

25X1

LA MAYA SAM SITE CU 2014N 07540W
NO APPARENT CHANGE IN CONSTRUCTION STATUS

25X1

25X1

OB -- NONE OBSERVED.

25X1

AIR FACILITIES

CAMAGUEY INTERNATIONAL AIRFIELD CU 2125N 07750W
OB -- 1 C-46, 3 COLT, 1 MORAVA L-200, AND 13 HOUND.

25X1

HOLGUIN AIRFIELD CU 2047N 07618W
OB -- 5 FAGOT/FRESCO AND 1 PROBABLE HOUND.

25X1

LOS CANOS AIRFIELD CU 2005N 07509W
OB -- 2 COLT.

25X1

ANTONIO MACEO AIRFIELD CU 1958N 07550W
OB -- 1 C-46 AND 5 LIATISON.

25X1

BAYAMO AIRFIELD EAST CU 2022N 07637W
OB -- 2 COLT OBSERVED IN CLOUD-FREE AREAS.

25X1

CAIBARIEN AIRFIELD CU 2230N 07928W
OB -- NONE OBSERVED.

25X1

BAYAMO AIRFIELD CII 2023N 07637W
OB -- NONE OBSERVED IN CLOUD-FREE AREAS.

25X1

ACTIVITY -- NF FND OF RUNWAY IS BEING PAVED WITH
ASPHAL

OB -- 5 COLT, 4 CREW, 1 HOUND, AND 15 POSSIBLE GREEK
2 FUSELAGES.

25X1

NAVAL ACTIVITY/PORTS

CIENFUEGOS NAVAL BASE CU 2208N 08027W
CAYO LOCO CLOUD COVERED.
VESSELS -- 2 LARGE FIGHTERS.

25X1

SANTIAGO DE CUBA NAVAL BASE AND PORT CU 2001N 07550W
OB -- 1 YP.
OTHER VESSELS -- 6 LARGE FIGHTERS.

25X1

MANZANILLO PORT CU 2021N 07707W
VESSELS -- NONE OBSERVED.

25X1

NUEVITAS PORT CU 2132N 07715W
VESSELS -- 2 LARGE FREIGHTERS.

25X1

CAIBARIEN PORT CU 2231N 07928W
VESSELS -- NONE OBSERVED.

25X1

CASILDA PORT CU 2145N 07959W
VESSELS -- NONE OBSERVED.

25X1

ELECTRONICS/COMMUNICATIONS

HOLGUIN EW/GCI RADAR SITE CU 2048N 07618W
OB -- 1 BAR LOCK, 1 ROCK CAKE/STONE CAKE, AND 1 FLAT
FACE RADAR.

25X1

SANTIAGO DE CUBA EW/GCI RADAR SITE CU 1959N 07551W
OB -- NONE OBSERVED.
ACTIVITY -- 16 TRACKED PRIME MOVERS, 32 CARGO TRUCKS,
13 VAN TRUCKS, 1 UTILITY TRUCK, 13 OTHER VEHICLES, AND
2 VAN TRAILERS.
NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO DE CUBA EW/GCI RADAR SITE 2 CU 2005N 07551W
OB -- 1 TOKEN-TYPE RADAR.

25X1

CABO CRUZ LOW SIEVE RADAR SITE CU 1950N 07743W
OB -- 1 LOW SIEVE RADAR.

25X1

LA SOCAPA LOW SIEVE RADAR SITE CU 1958N 07552W
OB -- 1 LOW SIEVE RADAR.

25X1

MILITARY ACTIVITY

ALTO CEDRO MILITARY CAMP CU 2029N 07600W
OB -- 19 PROBABLE TANKS/SP GUNS, 7 PROBABLE BTR 60-P,
44 FA PIECES/MORTARS, 138 CARGO TRUCKS, AND 61 OTHER
VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1

GUANTANAMO AREA CU 2018N 07525W
NO NEW MILITARY ACTIVITY OBSERVED IN CLOUD-FREE AREAS.
AREAS 1,3 AND 9 -- 25 PERCENT USEABLE COVERAGE.
AREAS 2,5 AND 7 -- 50 PERCENT USEABLE COVERAGE.
AREA 4 -- 90 PERCENT USEABLE COVERAGE.
AREA 6 -- 80 PERCENT USEABLE COVERAGE.
AREA 8 -- 40 PERCENT USEABLE COVERAGE.

25X1

HOLGUIN MILITARY CAMP CU 2005N 07618W

OB -- Approved For Release 2008/07/31 : CIA-RDP78B04558A001500010081-6

25X1

HOLGUIN MILITARY CAMP NW CU 2057N 07616W
OB -- 1 TANK/SP GUN, 8 AAA PIECES, AND 19 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1

REMEDIOS MILITARY AREA CU 2227N 07935W
OB -- 7 FA PIECES AND 35 CARGO TRUCKS OBSERVED IN
CLOUD-FREE AREAS.
NO APPARENT CHANGE IN FACILITIES.

25X1

CAMAGUEY MILITARY CAMP CU 2126N 07753W
OB -- NONE OBSERVED IN CLOUD-FREE AREAS.

25X1

CUABITAS MILITARY CAMP CU 2003N 07548W
OB -- 11 TANKS/SP GUNS, 4 TRACKED PRIME MOVERS, 2
TRACTOR-TRAILER TRUCKS, 2 CARGO TRUCKS, AND 1 UTILITY
TRUCK.
NO APPARENT CHANGE IN FACILITIES.

25X1

MINAS MILITARY CAMP CU 2127N 07734W
OB -- 16 TANKS/SP GUNS AND 17 CARGO TRUCKS.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE AND 1 OCCUPIED
3-GUN AAA SITE.
NO APPARENT CHANGE IN FACILITIES.

25X1

OFELIA MILITARY CAMP CU 2006N 07530W
OB -- 11 TANKS/SP GUNS, 45 FA PIECES, 27 AAA PIECES, 16
MORTARS, 78 CARGO TRUCKS, AND 7 OTHER VEHICLES.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN FACILITIES.

25X1

PUERTO PADRE MILITARY AREA CU 2111N 07639W
OB -- 3 TANKS/SP GUNS, 6 MORTARS, AND 30 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO DE CUBA MILITARY CAMP NW CU 2003N 07554W
OB -- 5 FA PIECES, 3 AAA PIECES, 9 PROBABLE MORTARS, 33
CARGO TRUCKS, AND 2 OTHER VEHICLES.
NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO DE CUBA MILITARY CAMP CU 2003N 07553W
OB -- 48 FA PIECES, 28 AAA PIECES, 12 MORTARS, 77 CARGO
TRUCKS, 7 VAN TRUCKS, 1 TANK TRUCK, 6 UTILITY TRUCKS,
AND 13 OTHER VEHICLES.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN FACILITIES.

25X1

PURIAL DE JIBACOA MILITARY CAMP CU 2007N 07700W
OB -- 2 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1

IMIAS LANDING BEACH CU 2005N 07440W
NO NEW MILITARY ACTIVITY OBSERVED.

25X1

GANUZA LANDING BEACH CU 2305N 08030W
NO NEW MILITARY ACTIVITY OBSERVED.

25X1

CAYO DE SABINAL LANDING BEACH CU 2144N 07728W
NO NEW MILITARY ACTIVITY OBSERVED.

25X1

-STATUS OF OTHER TARGETS-

THE FOLLOWING TARGETS SHOW NO APPARENT CHANGE SINCE LAST COVERAGE--
PUNTA Approved For Release 2008/07/31 : CIA-RDP78B04558A001500010081-6

LA QUINTA MILITARY CAMP	2002N 07551W
SIBONEY LANDING BEACH	1957N 07542W
PLAYA YATERITAS LANDING BEACH	1958N 07457W
MAR VERDE LANDING BEACH	1957N 07556W
NICARO LANDING BEACH	2042N 07533W
MOA @PUNTA GORDA# LANDING BEACH	2039N 07453W
MOA @CANANOVA# LANDING BEACH	2039N 07502W
THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT NOT INTERPRETED--	
SANTA CLARA SAM SITE A34-2	2229N 08000W
CAMILO CIENFUEGOS AIRFIELD	2229N 07956W
DOS CAMINOS MILITARY CAMP	2014N 07547W
CORRALILLO MILITARY AREA	2301N 08038W
SANTA CLARA ARTILLERY TRAINING AREA	2222N 08000W
SANTA CLARA MILITARY ACTIVITY	2220N 07957W
SANTA CLARA MILITARY CAMP SOUTH	2222N 07958W
LAS MERCEDES VEHICLE PARK	2224N 08001W
LA CHARCA MILITARY ACTIVITY	2246N 08036W
CIENFUEGOS MILITARY ACTIVITY	2209N 08027W